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| Substitute for Form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/720,140 |
| | | | | Confirmation Number | 4319 |
| | | | | Filing Date | November 25, 2003 |
| | | | | First Named Inventor | Akira TAKAHASHI |
| | | | | Art Unit | 3677 |
| Sheet 1 of 1 | | | | Examiner Name | Michael J. KYLE |
| | | | | Attorney Docket Number | Q78533 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------------|--------------------------------|---|
| Examiner Initials* | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | | Number | Kind Code ² (if known) | | |
| MK | | US 4,926,707 corresponds to JP 62-258076 listed below | | 05-22-1990 | Yamada |
| | | US | | | |
| | | US | | | |
| | | US | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------------|---------------------------|---------------------|--------------------------------------|--------------------------------|---|--|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Translation ⁶ |
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | |
| MK | | JP | 62-258076 | | 11-10-1987 | | Corresponds to US 4,926,707 listed above |
| M | | JP | 2002-534621 | | 10-15-2002 | | Corresponds to WO 99/13188 |
| M | | JP | 63-067167 | | 05-06-1988 | | Partial |
| M | | WO | 99/13188 | | 03-18-1999 | | |
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| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|--------------------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation ⁶ |
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| Examiner Signature | <i>Michael J. Kyle</i> | Date Considered | 1/31/07 |
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